

**SEQUENCE LISTING**

<110> Ruben et al.

<120> Neutrokinin-Alpha Binding Proteins And Methods based Thereon

<130> PF524C1

<140> Unassigned

<141> 2002-03-01

<150> 09/533,822

<151> 2000-03-24

<150> 60/188,208

<151> 2000-03-10

<150> 60/126,599

<151> 1999-03-26

<160> 5

<170> Pa

<210> 1

<211> 882

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卷之三

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atg agt ggc ctg ggc cgg agc agg cga ggt ggc cgg agc cgt gtg gac
Met Ser Gly Leu Gly Arg Ser Arg Arg Gly Gly Arg Ser Arg Val Asp
1           5           10          15          20          25          30
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cag gag gag cgc ttt cca gag ggc ctg tgg acg ggg gtg gct atg aga 96
Gln Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly Val Ala Met Arg
          20      25      30

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tcc tgc ccc gaa gag cag tac tgg gat cct ctg ctg ggt acc tgc atg 144
Ser Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu Gly Thr Cys Met
          35          40          45

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tcc tgc aaa acc att tgc aac cat cag agc cag cgc acc tgt gca gcc 192
Ser Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg Thr Cys Ala Ala
      50          55          60

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ttc tgc agg tca ctc agc tgc cgc aag gag caa ggc aag ttc tat gac 240
Phe Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp
65           70           75           80

```

cat ctc ctg agg gac tgc atc agc tgt gcc tcc atc tgt gga cag cac 288  
 His Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His

85	90	95	
cct aag caa tgt gca tac ttc tgt gag aac aag ctc agg agc cca gtg Pro Lys Gln Cys Ala Tyr Phe Cys Glu Asn Lys Leu Arg Ser Pro Val	100	105	336
		110	
aac ctt cca cca gag ctc agg aga cag cgg agt gga gaa gtt gaa aac Asn Leu Pro Pro Glu Leu Arg Arg Gln Arg Ser Gly Glu Val Glu Asn	115	120	384
		125	
aat tca gac aac tcg gga agg tac caa gga ttg gag cac aga ggc tca Asn Ser Asp Asn Ser Gly Arg Tyr Gln Gly Leu Glu His Arg Gly Ser	130	135	432
		140	
gaa gca agt cca gct ctc ccg ggg ctg aag ctg agt gca gat cag gtg Glu Ala Ser Pro Ala Leu Pro Gly Leu Lys Leu Ser Ala Asp Gln Val	145	150	480
		155	160
gcc ctg gtc tac agc acg ctg ggg ctc tgc ctg tgt gcc gtc ctc tgc Ala Leu Val Tyr Ser Thr Leu Gly Leu Cys Leu Cys Ala Val Leu Cys	165	170	528
		175	
tgc ttc ctg gtg gcg ggg gcc tgc ttc ctc aag aag agg ggg gat ccc Cys Phe Leu Val Ala Val Ala Cys Phe Leu Lys Lys Arg Gly Asp Pro	180	185	576
		190	
tgc tcc tgc cag ccc cgc tca agg ccc cgt caa agt ccg gcc aag tct Cys Ser Cys Gln Pro Arg Ser Arg Pro Arg Gln Ser Pro Ala Lys Ser	195	200	624
		205	
tcc cag gat cac gcg atg gaa gcc ggc agc cct gtg agc aca tcc ccc Ser Gln Asp His Ala Met Glu Ala Gly Ser Pro Val Ser Thr Ser Pro	210	215	672
		220	
gag cca gtg gag acc tgc agc ttc tgc ttc cct gag tgc agg gcg ccc Glu Pro Val Glu Thr Cys Ser Phe Cys Phe Pro Glu Cys Arg Ala Pro	225	230	720
		235	240
acg cag gag agc gca gtc acg cct ggg acc ccc gac ccc act tgt gct Thr Gln Glu Ser Ala Val Thr Pro Gly Thr Pro Asp Pro Thr Cys Ala	245	250	768
		255	
gga agg tgg ggg tgc cac acc agg acc aca gtc ctg cag cct tgc cca Gly Arg Trp Gly Cys His Thr Arg Thr Thr Val Leu Gln Pro Cys Pro	260	265	816
		270	
cac atc cca gac agt ggc ctt ggc att gtg tgt gtg cct gcc cag gag His Ile Pro Asp Ser Gly Leu Gly Ile Val Cys Val Pro Ala Gln Glu	275	280	864
		285	
ggg ggc cca ggt gca taa Gly Gly Pro Gly Ala			882
		290	

<211> 293  
<212> PRT  
<213> *Homo sapiens*

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<400> 2
Met Ser Gly Leu Gly Arg Ser Arg Arg Gly Gly Arg Ser Arg Val Asp
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Gln Glu Glu Arg Phe Pro Gln Gly Leu Trp Thr Gly Val Ala Met Arg
     20          25          30
Ser Cys Pro Glu Glu Gln Tyr Trp Asp Pro Leu Leu Gly Thr Cys Met
     35          40          45
Ser Cys Lys Thr Ile Cys Asn His Gln Ser Gln Arg Thr Cys Ala Ala
     50          55          60
Phe Cys Arg Ser Leu Ser Cys Arg Lys Glu Gln Gly Lys Phe Tyr Asp
     65          70          75          80
His Leu Leu Arg Asp Cys Ile Ser Cys Ala Ser Ile Cys Gly Gln His
     85          90          95
Pro Lys Gln Cys Ala Tyr Phe Cys Glu Asn Lys Leu Arg Ser Pro Val
    100          105          110
Asn Leu Pro Pro Glu Leu Arg Arg Gln Arg Ser Gly Glu Val Glu Asn
    115          120          125
Asn Ser Asp Asn Ser Gly Arg Tyr Gln Gly Leu Glu His Arg Gly Ser
    130          135          140
Glu Ala Ser Pro Ala Leu Pro Gly Leu Lys Leu Ser Ala Asp Gln Val
    145          150          155          160
Ala Leu Val Tyr Ser Thr Leu Gly Leu Cys Leu Cys Ala Val Leu Cys
    165          170          175
Cys Phe Leu Val Ala Val Ala Cys Phe Leu Lys Lys Arg Gly Asp Pro
    180          185          190
Cys Ser Cys Gln Pro Arg Ser Arg Pro Arg Gln Ser Pro Ala Lys Ser
    195          200          205
Ser Gln Asp His Ala Met Glu Ala Gly Ser Pro Val Ser Thr Ser Pro
    210          215          220
Glu Pro Val Glu Thr Cys Ser Phe Cys Phe Pro Glu Cys Arg Ala Pro
    225          230          235          240
Thr Gln Glu Ser Ala Val Thr Pro Gly Thr Pro Asp Pro Thr Cys Ala
    245          250          255
Gly Arg Trp Gly Cys His Thr Arg Thr Thr Val Leu Gln Pro Cys Pro
    260          265          270
His Ile Pro Asp Ser Gly Leu Gly Ile Val Cys Val Pro Ala Gln Glu
    275          280          285
Gly Gly Pro Gly Ala
    290

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<210> 3  
<211> 733  
<212> DNA  
<213> *Homo sapiens*

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aattcgggg tgacccgtca gtcttcctct tccccccaaa accccaaggac acccttcatga 120  
tctccggat tcctggatcc acatcgctgtg ttgttggatcc aacccggacca gacccttggag 180  
tcaatgtcaa ctqtagtcgtq gagccggcttq aggtttccatata tttccaaatca aacqccggccq 240
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aggagcagta caacagcacg taccgtgtgg tcagcgtctt caccgtcctg caccaggact 300  
 ggctgaatgg caaggatgc aagtgcagg tctccaaaca agccccccca acccccatcg 360  
 agaaaaaccat ctccaaagcc aaaggcagc cccgagaacc acaggtgtac accctgcccc 420  
 catcccgga tgagctgacc aagaaccagg tcagcctgac ctgcctggc aaaggcttct 480  
 atccaacgca catccgcgtg gagtgggaga gcaatggca gccggagaaac aactacaaga 540  
 ccacgcctcc cgtgctggac tccgacggct ctttcttctt ctacagcaag ctcaccgtgg 600  
 acaagagcag gtggcagcag gggaaacgtct tctcatgtctc cgtgatgtcat gaggcttgc 660  
 acaaccacta cacgcagaag agcctctccc tgcctccggg taaatgagtg cgacggccgc 720  
 gactctagag gat 733

&lt;210&gt; 4

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (1)..(5)

&lt;223&gt; Xaa equal any amino acid

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (9)

&lt;223&gt; Xaa equal any amino acid

&lt;400&gt; 4

Xaa Xaa Xaa Xaa Xaa Glu Gly Ser Xaa  
 1 5

&lt;210&gt; 5

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; SITE

&lt;222&gt; (3)

&lt;223&gt; Xaa equal is any amino acid

&lt;400&gt; 5

Ala Leu Xaa Asn Asp Glu Gly Ser Gly  
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